

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	23306	(sub?channel or subchannel or (sub near2 channel))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 12:45
S2	6065	physical with layer with frame	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 12:45
S3	3152	(hybrid near2 automated near2 repeat near2 request) or HARQ	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 12:45
S4	5	S1 same S2 same S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 12:46
S5	2	S4 and (@pd<"20031222" or @ad<"20031222" or @prad<"20031222" or @rlad<"20031222" or @ptad<"20031222")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 12:47

S6	11	S1 same S2 and S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 12:48
S7	3	S6 and (@pd<"20031222" or @ad<"20031222" or @prad<"20031222" or @rlad<"20031222" or @ptad<"20031222")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 12:48
S8	41	S1 and S2 and S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 12:48
S9	10	S8 and (@pd<"20031222" or @ad<"20031222" or @prad<"20031222" or @rlad<"20031222" or @ptad<"20031222")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 12:48
S10	12366	(370/229,235,236,464,465,468,477.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 12:52
S11	141	S10 and S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 12:52
S12	65	S11 and (@pd<"20031222" or @ad<"20031222" or @prad<"20031222" or @rlad<"20031222" or @ptad<"20031222")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 12:52

S13	7	S12 and S1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 12:52
S14	103	S10 and S3 and (ACK or acknowlegd\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 13:29
S15	48	S14 and (@pd<"20031222" or @ad<"20031222" or @prad<"20031222" or @rlad<"20031222" or @ptad<"20031222")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 13:29
S16	6	US-6175560-\$.D.ID. OR US-2003012165D-\$.D.ID. OR WO-0203600-\$.D.ID. OR WO-03105394-\$.D.ID. OR WO-03077464-\$.D.ID. OR WO-0217548-\$.D.ID.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 13:49
S17	6	US-6175560-\$.D.ID. OR US-2003012165-\$.D.ID. OR WO-0203600-\$.D.ID. OR WO-03105394-\$.D.ID. OR WO-03077464-\$.D.ID. OR WO-0217548-\$.D.ID.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 13:54
S18	5	"2003012165"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 13:55
S19	3	"20030012165"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 13:55

S20	2204	S3 and (re?transmi\$5 or retransmi\$5 or (re near2 transmi\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 14:00
S21	1768	S3 same (re?transmi\$5 or retransmi\$5 or (re near2 transmi\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 14:01
S22	326	S3 same (re?transmi\$5 or retransmi\$5 or (re near2 transmi\$5)) same (pend\$3 or wait\$3 or await\$3 or hang\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 14:02
S23	132	S22 and (@pd<"20031222" or @ad<"20031222" or @prad<"20031222" or @rlad<"20031222" or @ptad<"20031222")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 14:02
S24	4	S1 and S23	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 14:02
S25	5	((ZHAO) near2 (ZHUYAN)).INV.	US-PGPUB; USPAT	OR	ON	2009/04/16 14:04
S26	2	"10868422"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 14:15

S27	218	(re?transmi\$5 or retransmi\$5 or (re near2 transmi\$5)) same (time? or (time near2 period)) same (ACK and NAK)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:28
S28	5885	(370/229,235,236.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:29
S29	19	S27 and S28	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:29
S30	16	S29 and (@pd<"20031222" or @ad<"20031222" or @prad<"20031222" or @rlad<"20031222" or @ptad<"20031222")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:29
S31	6	((re?transmi\$5 or retransmi\$5 or (re near2 transmi\$5)) with (frame or data)) same (time? or (time near2 period)) same ((ACK and NAK) near2 (no or zero or lack))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:34
S32	0	(transmi\$5) with another with (sub?channel or subchannel or (sub near2 channel)) same availabl\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:36
S33	1098	(transmi\$5)with (sub?channel or subchannel or (sub near2 channel)) same availabl\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:36

S35	373	(transmi\$5 near2 (frame or data)) with (sub? channel or subchannel or (sub near2 channel)) same availabl\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:37
S36	298	S35 and (@pd<"20031222" or @ad<"20031222" or @prad<"20031222" or @rlad<"20031222" or @ptad<"20031222")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:37
S37	1	S36 and S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:37
S38	0	(transmi\$5 near2 (frame or data)) with another with (sub?channel or subchannel or (sub near2 channel)) same availabl\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:42
S39	16	(transmi\$5 near2 (frame or data)) with (another or other or different) with (sub?channel or subchannel or (sub near2 channel)) same availabl\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:42
S40	179	(transmi\$5) with (another or other or different) with (sub?channel or subchannel or (sub near2 channel)) same availabl\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:44
S41	150	S40 and (@pd<"20031222" or @ad<"20031222" or @prad<"20031222" or @rlad<"20031222" or @ptad<"20031222")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:45

S42	462	((sub?channel or subchannel or (sub near2 channel)) with availab\$4) same (transmi\$5 near2 (frame or data))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 16:10
S43	46	((sub?channel or subchannel or (sub near2 channel)) with availab\$4 with (another or other or different)) same (transmi\$5 near2 (frame or data))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 16:10
S44	8	"10730753"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 16:12
S45	161	(transmi\$5 near2 (another or other or different) near2 (sub?channel or subchannel or (sub near2 channel)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 16:18
S46	117	S45 and (@pd<"20031222" or @ad<"20031222" or @prad<"20031222" or @rlad<"20031222" or @ptad<"20031222")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 16:18
S47	3	"20020177447"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 09:18
S48	6755	(pend\$3 or wait\$3 or await\$3 or hang\$3) with random	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 09:40

S49	5410	S48 and (@pd<"20031222" or @ad<"20031222" or @prad<"20031222" or @rlad<"20031222" or @ptad<"20031222")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 09:40
S50	33	(pend\$3 or wait\$3 or await\$3 or hang\$3) with (random\$3 near2 select\$3 near2 frame)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 09:41
S51	30	S50 and (@pd<"20031222" or @ad<"20031222" or @prad<"20031222" or @rlad<"20031222" or @ptad<"20031222")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 09:41
S52	754	(pend\$3 or wait\$3 or await\$3 or hang\$3) with (ack or acknowledge\$4) with frame	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:02
S53	63	(pend\$3 or wait\$3 or await\$3 or hang\$3) with (ack or acknowledge\$4) with frame with (long or short)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:03
S54	29	S53 and (@pd<"20031222" or @ad<"20031222" or @prad<"20031222" or @rlad<"20031222" or @ptad<"20031222")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:03
S55	38	(threshold with (sub?channel or subchannel or (sub near2 channel))) same (transmi\$5 near2 power)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:17



S56	24	S55 and (@pd<"20031222" or @ad<"20031222" or @prad<"20031222" or @rlad<"20031222" or @ptad<"20031222")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:17
S57	11	"7072413"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:20
S58	2677705	"200"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:20
S59	3	"20030112880"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:21
S60	161	(transmi\$5 near2 (another or other or different) near2 (sub?channel or subchannel or (sub near2 channel)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:37
S61	9	S60 and UMTS	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:37
S62	2	S61 and (@pd<"20031222" or @ad<"20031222" or @prad<"20031222" or @rlad<"20031222" or @ptad<"20031222")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:37

S63	46	((sub?channel or subchannel or (sub near2 channel)) with availabl\$4 with (another or other or different)) same (transmi\$5 near2 (frame or data))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:38
S64	3	S63 and UMTS	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:38
S65	3285	(sub?channel or subchannel or (sub near2 channel)) with data with transmi\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:39
S66	160	S65 and UMTS	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:39
S67	100	S66 and (@pd<"20031222" or @ad<"20031222" or @prad<"20031222" or @rlad<"20031222" or @ptad<"20031222")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:39
S68	6	S65 same UMTS	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:40
S69	5	S68 and (@pd<"20031222" or @ad<"20031222" or @prad<"20031222" or @rlad<"20031222" or @ptad<"20031222")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:40

S70	3	S60 and (server with download)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:44
S71	31	(sub?channel or subchannel or (sub near2 channel)) with data with transmi\$5 and (download with server)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:45
S72	27	S71 and (@pd<"20031222" or @ad<"20031222" or @prad<"20031222" or @rlad<"20031222" or @ptad<"20031222")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:45
S73	2	S72 and ACK	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:46
S74	160	(network near2 device) with (download near2 server)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:48
S75	39	(sub?channel or subchannel or (sub near2 channel)) same ACK same NAK	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:49
S76	0	S74 and S75	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:49

S77	240	(sub?channel or subchannel or (sub near2 channel)) same ACK	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:49
S78	0	S74 and S77	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:49
S79	23315	(sub?channel or subchannel or (sub near2 channel))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:49
S80	490	(sub?channel or subchannel or (sub near2 channel)) same (ACK or acknowledge\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:49
S81	0	S74 and S80	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:50
S82	15	(network near2 device) with (download near2 server) with program	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:50
S83	13	S82 and (@pd<"20031222" or @ad<"20031222" or @prad<"20031222" or @rlad<"20031222" or @ptad<"20031222")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 10:50

S84	6	"6353617"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 07:59
S85	2	"20030202492"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 08:07
S86	1	"10598564"	US-PGPUB; USPAT	OR	ON	2009/04/21 08:35
S87	17593	(370/229,235,236.ccls.) or (455/403,422.1,436,450,452.1,452.2.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 08:37
S88	31	(sub?channel or subchannel or (sub near2 channel)) with data with transmi\$5 and (download with server)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 08:38
S89	0	S87 and S88	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 08:38
S90	462	((sub?channel or subchannel or (sub near2 channel)) with availab\$4) same (transmi\$5 near2 (frame or data))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 08:38

S91	28	S87 and S90	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 08:38
S92	40	((threshold with (sub?channel or subchannel or (sub near2 channel))) same (transmi\$5 near2 power) same power	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/15 10:28
S93	25	S82 and (@pd<"20031222" or @ad<"20031222" or @prad<"20031222" or @rlad<"20031222" or @ptad<"20031222")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/15 10:28
S94	369	((threshold or number or total or sum) with (sub? channel or subchannel or (sub near2 channel))) same (transmi\$5 near2 power) same power	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/15 10:34
S95	241	S94 and (@pd<"20031222" or @ad<"20031222" or @prad<"20031222" or @rlad<"20031222" or @ptad<"20031222")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/15 10:34
S96	18538	(370/229,235,236.ccls.) or (455/403,422.1,436,450,452.1,452.2.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/15 10:35
S97	20	S95 and S96	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/15 10:35

S98	7	((ZHAO) near2 (ZHUYAN)).INV.	US-PGPUB; USPAT	OR	ON	2009/09/17 12:15
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9/17/2009 12:27:17 PM

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